

SEQUENCE LISTING

<110> CropDesign N.V.
 <120> Plants having increased yield and method for making the same
 <130> CD-106-PCT
 <150> US 60/532,287
 <151> 2003-12-22
 <160> 5
 <170> PatentIn version 3.3
 <210> 1
 <211> 1311
 <212> DNA
 <213> Arabidopsis thaliana
 <220>
 <221> misc_feature
 <223> A variant of the coding sequence of the sequence deposited under accession number NM_121168 contains a G instead of C on position 851 and a T instead of C on position 1295
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 gtatcaatac ctccaacaaa accttctttt aaacagcaaa agagacgtgc agtacttaag 180
 gatgtgagta atacctctgc agatattatt tattcagaac ttcgaaaggg aggcaacatc 240
 aaggcaacaa gaaaatgtct aaaagagcct aaaaaagcag caaaggaagg tgctaacagt 300
 gccatggata ttctggtaga tatgcataca gaaaaatcaa aattagcaga agatttgtcc 360
 aagatcagga tggctgaagc ccaagatgtc tctctttcaa actttaaaaga tgaagaaatt 420
 actgagcaac aagaagatgg atcagggtgc atggagttac ttcaagttgt agatattgat 480
 tccaacgtcg aagatccaca gtgttgagc ttgtatgctg ctgatataata tgacaacata 540
 catgttgagc agcttcaaca acgacccttg gctaattata tggagcttgt gcagcgagat 600
 atcgaccagc acatgagaaa gattctgatt gactggcttg tagaagtttc tgacgactac 660
 aagctgggtc cagatacgtt ttaccttaca gtgaatctta tcgaccggtt tctgtccaac 720
 agttacattg aaaggcaaaag actccagctc cttgggtgtct cttgcatgct tatagcttca 780
 aaatatgaag agctttccgc accaggggtg gaggagtttt gcttcattac ggccaacaca 840
 tacacaagac cagaagtgtc gagcatggag attcaaattc taaattttgt gcactttaga 900
 ttatcgggtc ctaccaccaa aacattttctg aggcggttca ttaaagcagc tcaagcttcg 960
 tacaagggtc ctttcattga actggagtat ttagcaaact atctcgccga attgacactg 1020
 gtggaatata gtttcctaag gttcctgcca tctaattg ctgcttcagc tgttttccta 1080
 gcccgatgga cactcgacca aactgacat ccttgaacc ctactctgca aactacacc 1140
 agatatgagg tagctgagct gaagaacaca gttctcgcca tggaggactt gcagctcaac 1200
 accagtggct gtactctcgc tgccaccgt gagaaataca accaaccaaa gtttaagagc 1260
 gtggcaaacg tgacatctcc caaacgagtc acatcactat tctcaagatg a 1311
 <210> 2
 <211> 436
 <212> PRT
 <213> Arabidopsis thaliana
 <220>
 <221> MISC_FEATURE
 <223> A variant of the sequence deposited under accession number NP_568248 contains an arginine instead of a proline on position

284 and a phenylalanine instead of a serine on position 432

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Tyr | Cys | Ser | Ser | Ser | Met | His | Pro | Asn | Ala | Asn | Lys | Glu | Asn | Ile |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Ser | Thr | Ser | Asp | Val | Gln | Glu | Ser | Phe | Val | Arg | Ile | Thr | Arg | Ser | Arg |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Ala | Lys | Lys | Ala | Met | Gly | Arg | Gly | Val | Ser | Ile | Pro | Pro | Thr | Lys | Pro |
| | | 35 | | | | | 40 | | | | | 45 | | | |
| Ser | Phe | Lys | Gln | Gln | Lys | Arg | Arg | Ala | Val | Leu | Lys | Asp | Val | Ser | Asn |
| | 50 | | | | | 55 | | | | | 60 | | | | |
| Thr | Ser | Ala | Asp | Ile | Ile | Tyr | Ser | Glu | Leu | Arg | Lys | Gly | Gly | Asn | Ile |
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| Lys | Ala | Asn | Arg | Lys | Cys | Leu | Lys | Glu | Pro | Lys | Lys | Ala | Ala | Lys | Glu |
| | | | | 85 | | | | | 90 | | | | | 95 | |
| Gly | Ala | Asn | Ser | Ala | Met | Asp | Ile | Leu | Val | Asp | Met | His | Thr | Glu | Lys |
| | | | 100 | | | | | 105 | | | | | 110 | | |
| Ser | Lys | Leu | Ala | Glu | Asp | Leu | Ser | Lys | Ile | Arg | Met | Ala | Glu | Ala | Gln |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| Asp | Val | Ser | Leu | Ser | Asn | Phe | Lys | Asp | Glu | Glu | Ile | Thr | Glu | Gln | Gln |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Glu | Asp | Gly | Ser | Gly | Val | Met | Glu | Leu | Leu | Gln | Val | Val | Asp | Ile | Asp |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| Ser | Asn | Val | Glu | Asp | Pro | Gln | Cys | Cys | Ser | Leu | Tyr | Ala | Ala | Asp | Ile |
| | | | | 165 | | | | | 170 | | | | | 175 | |
| Tyr | Asp | Asn | Ile | His | Val | Ala | Glu | Leu | Gln | Gln | Arg | Pro | Leu | Ala | Asn |
| | | | 180 | | | | | 185 | | | | | 190 | | |
| Tyr | Met | Glu | Leu | Val | Gln | Arg | Asp | Ile | Asp | Pro | Asp | Met | Arg | Lys | Ile |
| | | 195 | | | | | 200 | | | | | 205 | | | |
| Leu | Ile | Asp | Trp | Leu | Val | Glu | Val | Ser | Asp | Asp | Tyr | Lys | Leu | Val | Pro |
| | 210 | | | | | 215 | | | | | 220 | | | | |
| Asp | Thr | Leu | Tyr | Leu | Thr | Val | Asn | Leu | Ile | Asp | Arg | Phe | Leu | Ser | Asn |
| 225 | | | | | 230 | | | | | 235 | | | | | 240 |
| Ser | Tyr | Ile | Glu | Arg | Gln | Arg | Leu | Gln | Leu | Leu | Gly | Val | Ser | Cys | Met |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| Leu | Ile | Ala | Ser | Lys | Tyr | Glu | Glu | Leu | Ser | Ala | Pro | Gly | Val | Glu | Glu |
| | | | 260 | | | | | 265 | | | | | 270 | | |
| Phe | Cys | Phe | Ile | Thr | Ala | Asn | Thr | Tyr | Thr | Arg | Pro | Glu | Val | Leu | Ser |
| | | 275 | | | | | 280 | | | | | 285 | | | |
| Met | Glu | Ile | Gln | Ile | Leu | Asn | Phe | Val | His | Phe | Arg | Leu | Ser | Val | Pro |
| | 290 | | | | | 295 | | | | | 300 | | | | |

Thr Thr Lys Thr Phe Leu Arg Arg Phe Ile Lys Ala Ala Gln Ala Ser
 305 310 315 320
 Tyr Lys Val Pro Phe Ile Glu Leu Glu Tyr Leu Ala Asn Tyr Leu Ala
 325 330 335
 Glu Leu Thr Leu Val Glu Tyr Ser Phe Leu Arg Phe Leu Pro Ser Leu
 340 345 350
 Ile Ala Ala Ser Ala Val Phe Leu Ala Arg Trp Thr Leu Asp Gln Thr
 355 360 365
 Asp His Pro Trp Asn Pro Thr Leu Gln His Tyr Thr Arg Tyr Glu Val
 370 375 380
 Ala Glu Leu Lys Asn Thr Val Leu Ala Met Glu Asp Leu Gln Leu Asn
 385 390 395 400
 Thr Ser Gly Cys Thr Leu Ala Ala Thr Arg Glu Lys Tyr Asn Gln Pro
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 Lys Phe Lys Ser Val Ala Lys Leu Thr Ser Pro Lys Arg Val Thr Ser
 420 425 430
 Leu Phe Ser Arg
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 <212> DNA
 <213> Oryza sativa

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 ttattgtaaa gttctacaaa gctaatttaa aagttattgc attaacttat ttcataattac 180
 aaacaagagt gtcaatggaa caatgaaaac catatgacat actataattt tgtttttatt 240
 attgaaatta tataattcaa agagaataaa tccacatagc cgtaaagttc tacatgtggt 300
 gcattaccaa aatatatata gcttacaaaa catgacaagc ttagtttgaa aaattgcaat 360
 ccttatcata ttgacacata aagtgagtga tgagtcataa tattattttc ttgctaccc 420
 atcatgtata tatgatagcc acaaagttac tttgatgatg atatcaaaga acatttttag 480
 gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt 540
 aaaactaaca ctctaaagca accgatggga aagcatctat aaatagacaa gcacaatgaa 600
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<212> DNA

<213> Artificial sequence

<220>

<223> primer PRM583

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52